

DUO200 Series

單路輸出 Single output

輸出功率 Output wattage: 200W

AC-DC 工業標準電源

DUO

- 全電壓輸入範圍 Universal AC input
- PFC 功能 with PFC
- 遠端電壓補償功能 with Remote sensing
- 遠端 ON/OFF 控制功能 with Remote ON/OFF
- 符合低電壓指令 Accord with CE



DUO200 系列電源爲公司自行研製的工業標準品系列.

型號命名 Ordering information

DUO 200 - 5

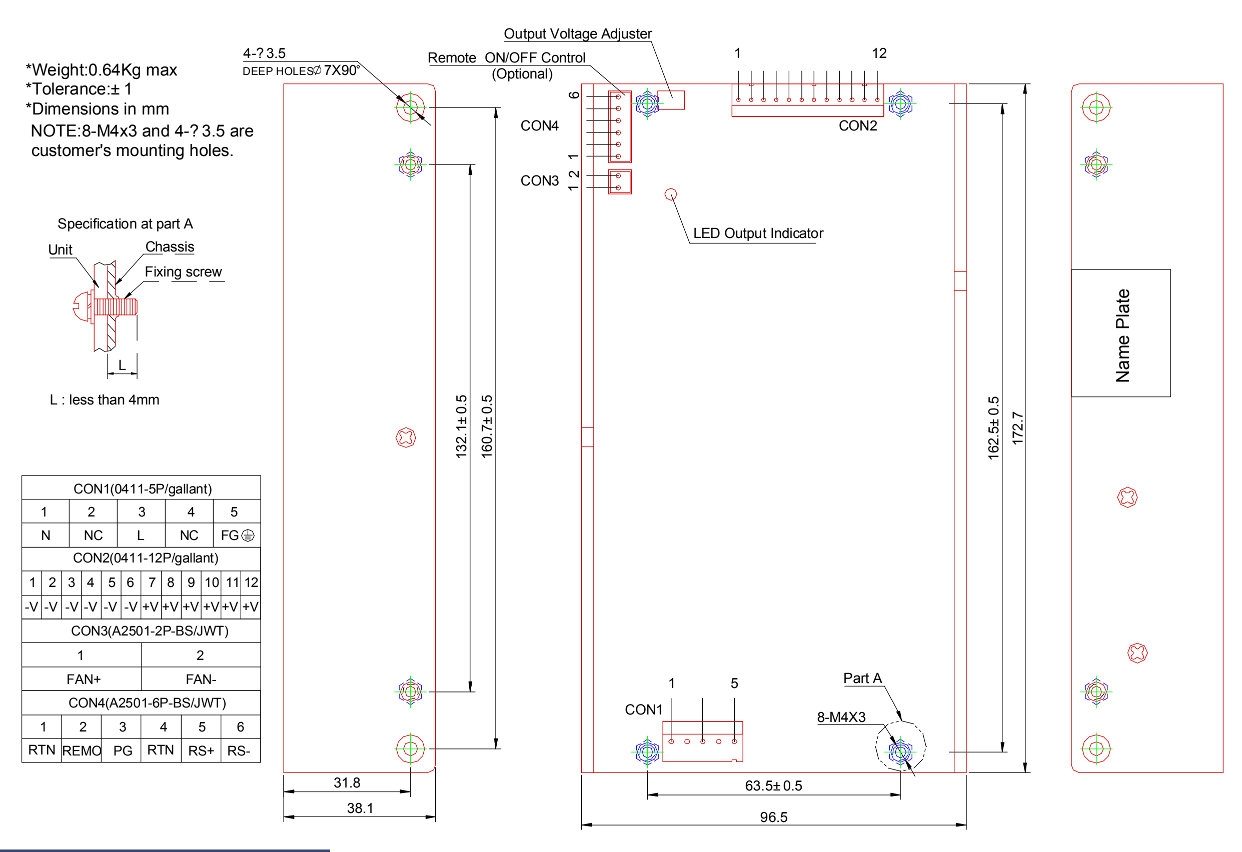
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①系列名稱 Series name

②輸出功率 Output Wattage: 200-200W

③輸出電壓 Output voltage:5-5V,12-12V,15-15V…

外觀結構 External view



CON1(0411-5P/gallant)				
1	2	3	4	5
N	NC	L	NC	FG ⏚

CON2(0411-12P/gallant)											
1	2	3	4	5	6	7	8	9	10	11	12
-V	-V	-V	-V	-V	-V	+V	+V	+V	+V	+V	+V

CON3(A2501-2P-BS/JWT)	
1	2
FAN+	FAN-

CON4(A2501-6P-BS/JWT)					
1	2	3	4	5	6
RTN	REMO	PG	RTN	RS+	RS-



DUO

技術規範 Specifications

	型號 MODLE		DUO200-5	DUO200-12	DUO200-15	DUO200-24	DUO200-48
輸入 INPUT	電壓 VOLTAGE[V]		AC85~264 1φor DC120~340				
	電流 CURRENT[A]	AC100V	1.4typ				
		AC200V	0.7typ				
	頻率 FREQUENCY[Hz]		50/60(47~63)				
	效率 EFFICIENCY[%]		75typ	75typ	78typ	81typ	81typ
	功率因數 POWER FACTOR	AC100V	0.99typ(Io=100%)				
		AC200V	0.95typ(Io=100%)				
	浪湧電流 INRUSH CURRENT [A]	AC100V	20typ(Io=100%)(At cold state)				
		AC200V	40typ(Io=100%)(At cold state)				
	漏電流 LEAKAGE CURRENT[mA]		1.5max(60Hz,according to UL,CSA,VDE AND DEN-AN)				
輸出 OUTPUT	電壓 VOLTAGE[V]		5	12	15	24	48
	電流 CURRENT RANGE(Convection 自然冷) [A]		22	17	13	8.3	4.2
	電流 CURRENT RANGE(Forced air 外置鳳冷) [A]		30	17	13	8.3	4.2
	線性調整率 LINE REGULATION[mv]		20max	48max	60 max	96 max	192 max
	負載調整率 LOAD REGULATION[mv]		100 max	100max	120 max	150 max	240 max
	波紋 RIPPLE [mvp-p]	0to+50℃*1	100 max	120max	120 max		150 max
		-10~0℃*1	70 max	160max	160 max	160 max	200 max
	波紋噪音 RIPPLE NOISE[mvp-p]	0to+50℃*1	60max	150max	150 max	250 max	400 max
		-10~0℃*1	80 max	180max	180 max	180 max	600 max
	溫度調整 TEMPERATURE REGULATION [mv]	0to+50℃	50 max	120max	150 max	240 max	480 max
		-10~0℃	60 max	150max	180 max	290 max	600 max
	漂移 DRIFT [mv] *2		20 max	48max	60 max	96 max	192 max
	啓動時間 START-UP TIME[ms]		500 max(ACIN 85V,I_O=100%)				
	保持時間 HOLD-UP TIME[ms]		20typ(I_o=100%)				
	輸出電壓調整範圍 OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		-10% ~ +10%				
電路保護 PROTECTION CIRCUIT AND OTHERS	過流保護 OVERCURRENT PROTECTION		超過額定電流 105%動作自動恢復 Works over 105% of rating and recovers automatically				
	過壓保護 OVERVOLTAGE PROTECTION		在額定電壓的 115~140%動作 Works at 115~140% of rating				
	工作指示 OPERATION INDICATION		發光二極體(綠) LED(Green)				
	遠端補償 REMOTE SENSING		已提供 Provided				
	遠端控制 REMOTE ON/OFF		可選項 Optional				
	電源正常 POWER GOOD		開機時,PG 信號先於輸出信號 100~500ms 爲高電平;關機時,PG 信號先於輸出信號至少 1ms 爲低電平 This signal will go high 100~500ms after the output reaches the regulation limit. It goes low at least 1 ms before loss of regulation				
絕緣 ELECTRICAL-LY ISOLATED	輸入-輸出.搖控開關*3INPUT-OUTPUT.RC*3		AC3,000V 1minute,Cutoff current=20mA,DC500V 50MΩ min. (At room temperature)				
	輸入-地 INPUT-FG		AC2,000V 1minute,Cutoff current=20mA,DC500V 50MΩ min. (At room temperature)				
	輸出. 搖控開關-地*3 OUTPUT.RC-FG*3		AC500V 1minute,Cutoff current=100mA,DC500V 50MΩ min. (At room temperature)				
	輸出-搖控開關*3OUTPUT-RC*3		AC100V 1minute,Cutoff current=100mA,DC100V 10MΩ min(At room temperature)				
環境 ENVIRON-MENT	工作環境 OPERATING TEMP,HUMID AND ALTITUDE		-10to+65℃,20~90% RH(Non condensing)(Refer to DERATING CURVE), 3,000m(10,000feet)max				
	貯存環境 STORAGE TEMP,HUMID AND ALTITUDE		-20to+75℃,20~90% RH(Non condensing),9,000m(30,000feet)max				
	振動 VIBRATION		10~55HZ,19.6m/s²(2G),3minutes period,60minutes each along X,Y and Z axis				
	衝擊 IMPACT		196.1m/s²(20G),11ms,once each X,Y and Z axis				
安全標準 SAFETY AND NOISE REGULATIONS	安全 SAFETY		Recognized UL1950; approved EN60950,VDEO160; certified CSA C22.2 No.234, complies with DEN-AN and IEC60950				
	電磁幹擾 LINE CONDUCTED RF VOLTAGE		Complies with FCC-B, CISPR22-B,EN55022-B,VCCI-B.				
	功率因數和諧波電流抑制 HARMONIC ATTENUATOR		Complies with IEC61000-3-2.				

*1: 用 20MHZ 示波器測試波紋噪音(相當於 KEISKU-GIKEN:RM101).

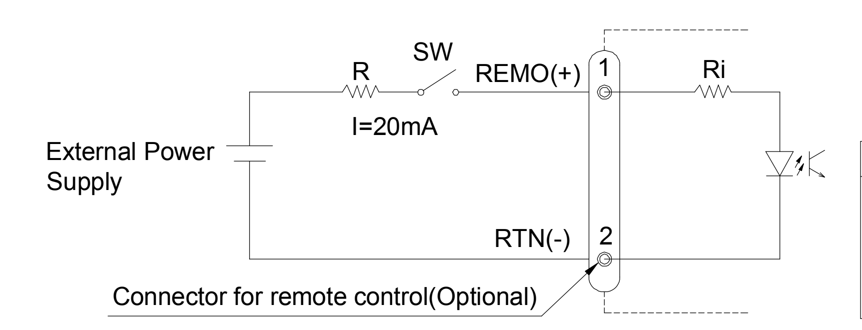
*2: 漂移是指有 25 攝氏度環境下,經半小時工作預熱,在 8 小時周期內直流輸出電壓的變化（輸入電壓保持固定,且在額定輸入輸出條件下）.

*3 :當遙控開關功能加上時是適用的.





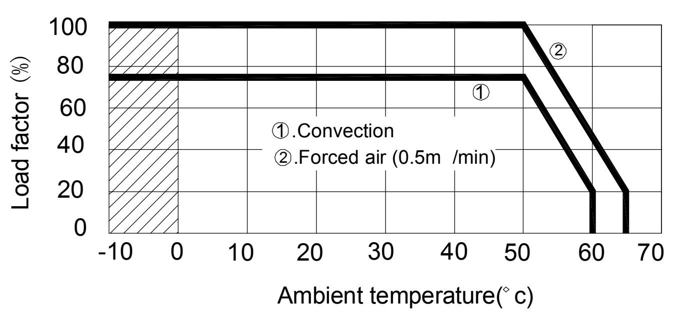
遙控 Operating example of Remote control



Using Terminal	Between REMO and RTN	Output
Connector for Remote control 1st Pin – ⊕ 2st Pin – ⊖	SW ON (3~8)	ON
	SW OFF (0~ 0.5V)	OFF

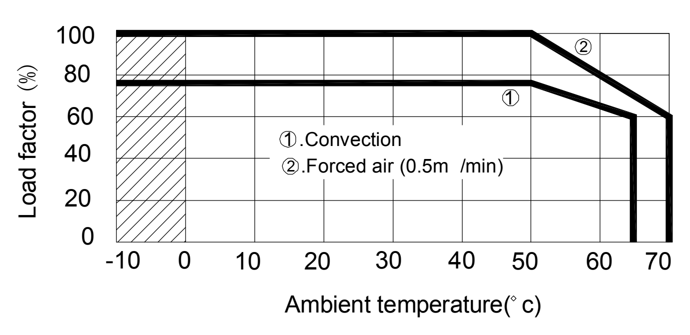
降額曲線 Derating curve

(1).輸出電壓 Output voltage : 5V



*The shadow indicates the region where different specifications for ripple noise should be used.

(2).輸出電壓 Output voltage : The other



*The shadow indicates the region where different specifications for ripple noise should be used.

遠端補償 Remote sensing

(1) 不使用時 when remote sensing is not used

(2)使用時 when remote sensing is used

